| Index of Claims   |                 |          |          |          |          |          |          |          |           |          |            |            |          | Application/Control No. |              |           |                 |             |                     |                 |          |             | Applicant(s)/Patent under Reexamination |          |             |       |    |              |              |          |           |   |
|-------------------|-----------------|----------|----------|----------|----------|----------|----------|----------|-----------|----------|------------|------------|----------|-------------------------|--------------|-----------|-----------------|-------------|---------------------|-----------------|----------|-------------|---|----------|-------------|-------|----|--------------|--------------|----------|-----------|---|
|                   |                 |          |          |          |          |          |          |          |           |          |            |            |          | 10/678,288              |              |           |                 |             |                     |                 |          |             | WAKATSUKI ET AL.                        |          |             |       |    |              |              |          |           |   |
|                   |                 |          |          |          |          |          |          |          |           |          |            |            |          |                         | - 1          | Examiner  |                 |             |                     |                 |          |             |   |          | Art Unit    |       |    |              |              |          |           |   |
| ················· |                 |          |          |          |          |          |          |          |           |          |            | :          | ·        |                         |              | Ca        | <u>m N</u>      | <u>i. r</u> | <b>Vgu</b>          | yen             |          | <del></del> |   |          | 17          | 754   |    |              |              |          |           |   |
|                   | √ Rejected _ (T |          |          |          |          |          |          |          |           | Throu    | 7          | M Non-E    |          |                         |              | cted      |                 |             |                     | A               |          |             |   |          |             | •     |    |              |              |          |           |   |
|                   | V Rejected      |          |          |          |          | -        |          | П        | Cancelled |          |            |            |          |                         | 4            | N         |                 | MOU-E18     |                     |                 |          | 4           | Appeal                                  |          |             |       |    |              |              |          |           |   |
|                   |                 |          |          | Mowed    |          |          |          |          | t         | •        |            | Restricted |          |                         |              | I Interfe |                 |             | ere                 | nce             |          | 0           | Objected                                |          |             |       |    |              |              |          |           |   |
| (                 | Claim           |          |          | 50200    |          |          |          |          |           |          | Claim      |            |          |                         | Date         |           |                 |             |                     | 7               | CI       | aim         |   |          |             | Da    | ta |              |              |          | ì         |   |
|                   | 76              | 펼,       | D        | 6        | ۷.۲      | 1        | F        | Γ        |           |          |            | _          | <u>s</u> | П                       |              |           | T               |             |                     |                 | 1        |             |   | П        |             |       | Ī  | Ť            | T            |          |           |   |
|                   | Final           | Odglad   | 1991     |          |          | 115      |          |          |           |          |            | Final      | Ortginal |                         |              |           |                 |             |                     |                 |          | Final       | Original                                |          |             |       | İ  |              |              |          |           |   |
| 1                 |                 |          |          | 121      |          | 1        |          |          |           | 口        | $\exists$  |            | 51       |                         | 士            | 1         |                 |             |                     | $\Rightarrow$   | }        |             | 101                                     |          |             | $\pm$ | ╁  | ╁            | ╁            | ╁        | Н         | • |
| ŀ                 |                 | 3        | 7.       |          | 份        | K        | *        | ╀        | ┝         | Н        | $\dashv$   | -          | 52<br>53 | $\vdash$                | +            | -         | $\vdash$        | _           | $\square$           | $\perp$         | 7        |             | 102<br>103                              |          | -           | 4     | Ţ  | Ţ            | F            | L        |           |   |
|                   |                 | 4        | 2        |          |          | K        |          |          |           |          |            |            | 54       |                         | 1            |           |                 |             |                     |                 | 1        | -           | 104                                     | Н        | +           | +     | +  | 十            | ╁            | ╁        | -         |   |
|                   |                 | 5<br>8   | Ŀ        |          | _        | Ŀ        | -        | ↓_       | _         |          | 4          |            | 55       | П                       | 1            | $\bot$    |                 |             | Ц                   | I               |          |             | 105                                     |          | $\exists$   | 1     | I  | I            | I            | 厂        |           |   |
|                   |                 | 7        |          |          | $\vdash$ |          | †        | ╁        | ╁╴        | $\vdash$ | $\dashv$   |            | 56<br>57 | ${\sf H}$               | +            | +         | ╂╌              | $\vdash$    | ┞┤                  | <del>- </del> - | 1        | $\vdash$    | 108<br>107                              | Н        | +           | +     | ┿  | ╀            | ╁            | ├-       | Н         |   |
| ļ                 |                 | 8        |          |          |          |          |          | L        |           |          | $\exists$  |            | 58       | $\Box$                  | $\downarrow$ | 上         |                 |             |                     |                 | ]        |             | 108                                     |          | 士           |       | 土  | 土            | 土            |          |           |   |
| 1                 |                 | 9        | Н        | _        |          | ┝        | ┢        | ╁        | $\vdash$  | H        | $\dashv$   | -          | 59<br>60 | ${\mathbb H}$           | +            | +         | ╀╌              |             | $\vdash$            | -               | 4        | <b> </b>    | 109<br>110                              |          | 4           | +     | ╀  | $\bot$       | Į.           | igspace  |           | l |
| Ì                 |                 | 11       |          |          |          |          |          |          |           | $\Box$   |            |            | 61       |                         | $\dagger$    | ╅         |                 | -           |                     | +               | 1        |             | 111                                     | Н        | ╅           | ╁     | ╁  | ╁            | ╁            | ╁╌       | H         | ĺ |
| - 1               |                 | 12<br>13 | Ц        |          | _        |          | -        | L        | $\Box$    |          |            |            | 62       | $\Box$                  | 7            | $\bot$    |                 |             |                     | $\Box$          | 7        |             | 112                                     |          | コ           | 工     | 工  | 丰            |              |          |           |   |
| 1                 |                 | 14       | Н        | _        | $\vdash$ | ┢        | ┢        | ┢        | Н         | -        |            | -          | 63<br>64 | H                       | ╁            | ╬         | ╁               | Н           |                     | +               | ┨        | -           | 113<br>114                              | $\vdash$ | ┿           |       | +  | +            | ╀            |          | Н         |   |
|                   |                 | 15       |          |          |          |          |          |          |           |          | _          |            | 65       |                         | 土            | 上         |                 |             |                     |                 | 1        |             | 115                                     | H        | $\dashv$    | 十     | 十  | 十            | t            |          | Н         |   |
| -                 |                 | 16       | Н        | -        | _        | L        | ├        | ┝        | -         | -        |            | <u> </u>   | 66<br>67 | 1                       | -            | $\perp$   | П               |             | $\Box$              | $\bot$          | }        |             | 118                                     |          | $\Box$      |       | I  | I            |              |          |           |   |
| ŀ                 |                 | 18       |          |          |          |          | -        | +-       |           |          | ┥          | -          | 68       | +                       | ┿            | +-        | ╂┤              | $\vdash$    | H                   | ╬               | ┨        | $\vdash$    | 117<br>118                              | $\dashv$ |             | ╂     | ╀  | ╀            | ╀            | -        | Н         |   |
| F                 |                 | 19       |          |          |          |          |          |          |           | $\Box$   | コ          |            | 69       |                         |              | 工         |                 |             |                     | 土               | 1        |             | 119                                     |          | 士           | 士     | 士  | 1            | 1            |          | Н         |   |
| -                 |                 | 20       | Н        | $\dashv$ | _        | $\vdash$ | _        | -        | Н         | -+       | 4          | -          | 70<br>71 |                         | 4            | ╄         | $\sqcup$        |             | $\vdash \downarrow$ |                 | 4        |             | 120                                     |          | $\bot$      | 4     | L  | L            | $oxed{\bot}$ |          |           |   |
|                   |                 | 22       |          |          |          |          |          |          |           | 士        | _          |            | 72       | -                       | +            | ╁         | $\vdash$        |             | $\vdash$            | ╅               | ď        | -           | 121                                     |          | +           | +     | ┿  | ┿            | ┿            | ╂╾┥      | Н         |   |
| -                 |                 | 23       | $\sqcup$ | 4        |          | Щ        | L        | L        | Ц         | $\Box$   | 4          |            | 73       | $\Box$                  | Ţ            |           |                 |             | $\Box$              |                 | 1        |             | 123                                     |          | $\sqsupset$ | 工     | T  |              |              |          |           | Ì |
| t                 |                 | 25       | -        | -        |          | Н        | $\vdash$ | H        | Н         | $\dashv$ | 4          | <b>-</b>   | 74<br>75 | $\dashv$                | +            | ╁         | $\vdash$        |             | $\vdash$            | ╁               | ┨        | $\vdash$    | 124<br>125                              |          | +           | +     | ╀  | ╀            | ╄            | $\sqcup$ | Н         |   |
|                   |                 | 26       |          |          |          |          |          |          |           | 二        | <b>I</b>   |            | 76       |                         | $\pm$        | 1         | $\Box$          |             | $\Box$              |                 | 1        |             | 128                                     |          | $\dashv$    | +     | 十  | ┿            | ╁┈           | $\vdash$ | H         |   |
| -                 |                 | 27<br>28 | $\dashv$ | $\dashv$ |          | Н        | L        | Н        | Н         | 4        | 4          | <b> </b>   | 77       | $\dashv$                | 4            | $\bot$    |                 |             |                     | 1               | ]        |             | 127                                     |          |             | I     | I  | I            | I            |          |           | } |
| L                 |                 | 29       |          |          |          |          |          | Н        | H         | ┪        | ┨.         | <b> </b>   | 78<br>79 | $\dashv$                | +            | +         | ╂╌┨             | -           |                     | +               | ┨        |             | 128<br>129                              | -        | +           | ╬     | ╀  | ╀╌           | ╀╌           | $\vdash$ | Н         |   |
|                   |                 | 30       |          |          |          |          |          |          |           | $\Box$   | ]          |            | 80       |                         |              | 工         |                 |             |                     | 土               | 1        |             | 130                                     |          | 士           | 1     | 上  | 上            | 上            |          | H         |   |
| -                 |                 | 31       | $\dashv$ | ┥        | -        |          | -        | Н        | $\vdash$  | +        | -          | -          | 81<br>82 | _                       | -            | $\bot$    |                 | _           | $\dashv$            |                 | -        |             | 131                                     | 4        | $\dashv$    | T     | Į. | L            | I            |          |           |   |
|                   |                 | 33       |          |          |          |          |          |          |           |          | -          |            | 83       | +                       | ╁            | 十         | ╂╌┨             | $\dashv$    | +                   |                 | 1        | -           | 132<br>133                              | $\dashv$ | ╬           | ╁     | ╁╴ | ╀            | ╀            | H        | $\vdash$  |   |
| -                 |                 | 34<br>35 | _        |          |          |          |          |          | $\Box$    | 7        | 7          |            | 84       | 1                       | 工            | 工         | 口               |             |                     | 工               | 1        |             | 134                                     |          | 土           | 士     | I  |              | 上            |          |           |   |
| 1                 |                 | 36       | $\dashv$ | ┥        | -        | $\dashv$ | _        | Н        | $\dashv$  | ╁        | -          | -          | 85<br>86 | $\dashv$                | +            | ╀         | -               | _           | -                   | -               |          |             | 135<br>136                              | _        | -           | 4     | 1  | <del> </del> | L            |          |           |   |
|                   |                 | 37       |          | ⇉        |          |          |          |          |           | 士        | <b>ゴ</b> I |            | 87       |                         | 十            | †         | H               | $\dashv$    | $\dashv$            | +               | 1        | -           | 137                                     | ┪        | ╅           | ╁     | ╁  | ┿            | ╁╌           | Н        | $\dashv$  | • |
| -                 | $\dashv$        | 38<br>39 | $\dashv$ |          | 4        |          |          |          |           | _        |            |            | 88       | $\bot$                  | I            |           |                 |             |                     | I               | ]        |             | 138                                     |          |             |       | L  | 二            |              |          |           |   |
| t                 |                 | 40       |          | 7        |          |          |          | Н        | $\dashv$  | $\dashv$ | -          | -          | 89<br>90 | $\dashv$                | ┿            | ╁         | ┨               | $\dashv$    | -+                  | ╁               | ┨        |             | 139                                     | $\dashv$ | +           | +     | ╀  | ╀            | ╄            | $\vdash$ | Н         |   |
|                   |                 | 41       | $\Box$   | $\Box$   |          |          |          |          |           |          |            |            | 91       | $\perp$                 | 土            | 上         |                 |             |                     | 士               | 1        |             | 141                                     |          | 1           | 1     | T  | +            |              | H        | $\forall$ |   |
| - 1               |                 | 42<br>43 | $\dashv$ | ┥        | $\dashv$ | $\dashv$ | _        | Н        | $\dashv$  |          | -          | -          | 92<br>93 | 4                       | +            | ╁         |                 | 4           | 4                   |                 | ]        |             | 142                                     | $\dashv$ | 7           | T     | L  | L            |              |          |           |   |
|                   |                 | 44       |          | コ        |          |          |          |          |           |          | 1          |            | 94       | 十                       | ╁            | 十         | H               | ᅱ           | -                   | ╅               | 1        |             | 143                                     | +        | +           | +-    | +  | ╁╌           | ╁╴           | $\vdash$ | Н         |   |
| 1                 |                 | 45<br>46 | 4        | 4        | _        | _        |          |          | $\Box$    | $\dashv$ | 7          |            | 95       | ユ                       | 1            |           | П               | 口           | ユ                   |                 | 1        |             | 145                                     | 士        | 士           | 1     |    | T            |              | H        |           | , |
|                   | $\exists$       | 47       | $\dashv$ | +        | _        | -        | -        | $\dashv$ | ᅱ         | +        | $\dashv$   | -          | 98<br>97 | +                       | ╁            | ╁         | $\vdash \vdash$ | 4           | +                   | +               | <b> </b> | <b>  </b>   | 148                                     | 4        | 4           | +     | +  | lacksquare   | F            | П        | 口         |   |
| F                 | $\Box$          | 48       | $\dashv$ | $\Box$   | $\Box$   | 耳        |          |          | $\Box$    | 1        | コ          |            | 98       | 士                       | 土            | 上         |                 |             | 1                   | 1               | 1        | 世           | 148                                     | _        | +           | +     | t  | T            | $\vdash$     | ┝┤       | H         |   |
| -                 |                 | 49<br>50 | $\dashv$ | $\dashv$ | 4        | -        | _        | $\dashv$ |           | +        | -          | <b>  </b>  | 99       | Ŧ                       | $\bot$       | 厂         | П               | $\Box$      | $\Box$              | T               |          |             | 149                                     | 1        | I           | I     | I  | I            |              |          |           |   |
| 1_                | _               | 1        | _,       | _        | _        | _1       | ب        | ╙        |           |          |            |            | 100      |                         | _1_          | 1         | L               | 1           | L                   | _[              | J I      | LI          | 150                                     | - 1      | 1           | 1     | 1  | 1            | ſ            | ıT       | 1         |   |